

DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 2, 5, and 8-29 are allowed.
2. The following is an examiner's statement of reasons for allowance:

In regard to claims 1, 2, 8, 9, 10-13, 28, and 29, the prior art does not disclose an image generating and processing block and method with the combination of limitations specified in the claimed invention, specifically the limitations of:

generating a real-time vertically and horizontally downsampled video signal using vertical downscaling of the real-time horizontally downsampled video signal by a processing block, wherein the horizontal downscaling and the vertical downscaling are performed separately in time, as stated in claims 1 and 10.

In regard to claims 14-20 and 27, the prior art does not disclose a camera-phone mobile device with the combination of limitations specified in the claimed invention, specifically the limitations of:

signal for generating an encoded video signal, wherein said real-time vertically and horizontally downsampled video signal is horizontally downsampled first and separate from vertical downscaling to provide a real-time horizontally downsampled video signal using combining weighted pixels values according to a predetermined algorithm without using a line memory, as stated in claim 14.

In regard to claims 21-26, the prior art does not disclose an electronic device and method with the combination of limitations specified in the claimed invention, specifically the limitations of:

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using horizontal downscaling of the real-time video signal by the camera sensor using combining weighted pixels values in the same row according to a predetermined algorithm without using a line memory, wherein the horizontal downscaling is performed separately in time from vertical downscaling, as stated in claims 21 and 24.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GEVELL SELBY whose telephone number is (571)272-7369. The examiner can normally be reached on 8:00 A.M. - 5:30 PM (every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on 571-272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

gvs

/Lin Ye/
Supervisory Patent Examiner, Art Unit 2622